

JPL Off-Site Wells Detected With Contamination (Concentrations in ug/L)

Water Co./Well ID	CCl4	TCE	PCE	Perchlorate	Comments
Lincoln Ave.; #3	0.8	18	1.0	12	groundwater (GW) flows E or W depending on Arroyo's water levels
Lincoln Ave.; #5	1.0	40	1.2	7	about 2200' east of the Arroyo
Pasadena Water; Arroyo	6.5	4.1	ND	130	in Arroyo, GW flows South, SHUTDOWN
Pasadena Water; #52	ND	1.7	ND	9	in Arroyo
Valley Water; #1	ND	2.7	63.8	ND	GW flows E/SE & MW2/14 clean; JPL cites contamination not their problem
Valley Water; #2	ND	1.0	32	ND	same as above
Valley Water; #4	ND	1.1	27.6	ND	same as above
JPL; MW3	1.2 (S3)	0.8 (S3)	0.6 (S3)	21 (S3)	in Arroyo (S1= 200'-300' to S5=500'-600' bgs with 10'-20' screen lengths)
JPL; MW17	1.3 (S3)	11 (S5)	0.7 (S5)	13 (S3,4,5)	
JPL; MW18	1.9 (S4)	2.4 (S3)	1.8 (S3)	11 (S4)	900' E of Arroyo
JPL; MW21	ND	20 (S1)	3 (S4,5)	19 (S1)	GW flows E/S/W depending on Arroyo's water levels, need hydraulic control

- Notes:
- Contamination data for water company wells are from 1995 except for perchlorate, which are 1997 data.
 - S1,3,4,5 denotes the screen intervals that showed contamination.
 - Except for JPL's monitoring wells, rest are production wells.
 - Misc: water table fluctuates 50'-80'; water gradient is South; no hydraulic control in Southern direction.
 - JPL's perchlorate studies: Foster-Wheeler's \$45K ionizations exchange (reduce perchlorate to chloride); Jacobs's \$26K hydrogenation (chemically breakdown perchlorate to chloride and water).

JPL On-Site Groundwater Contamination at Selected Wells, 7/97 (all shallow wells)

Well ID	CCl4	TCE	PCE	Perchlorate
MW4 (S2)	4.0	5.7	ND	51
MW7	39	23	0.7	285
MW12 (S3)	20	ND	ND	5.7
MW13	6.4	24	ND	130
MW16	68	25	1.1	615

Off-Site Perchlorate wells

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